HYDROLOGY

K19/D36
ONE PLAN

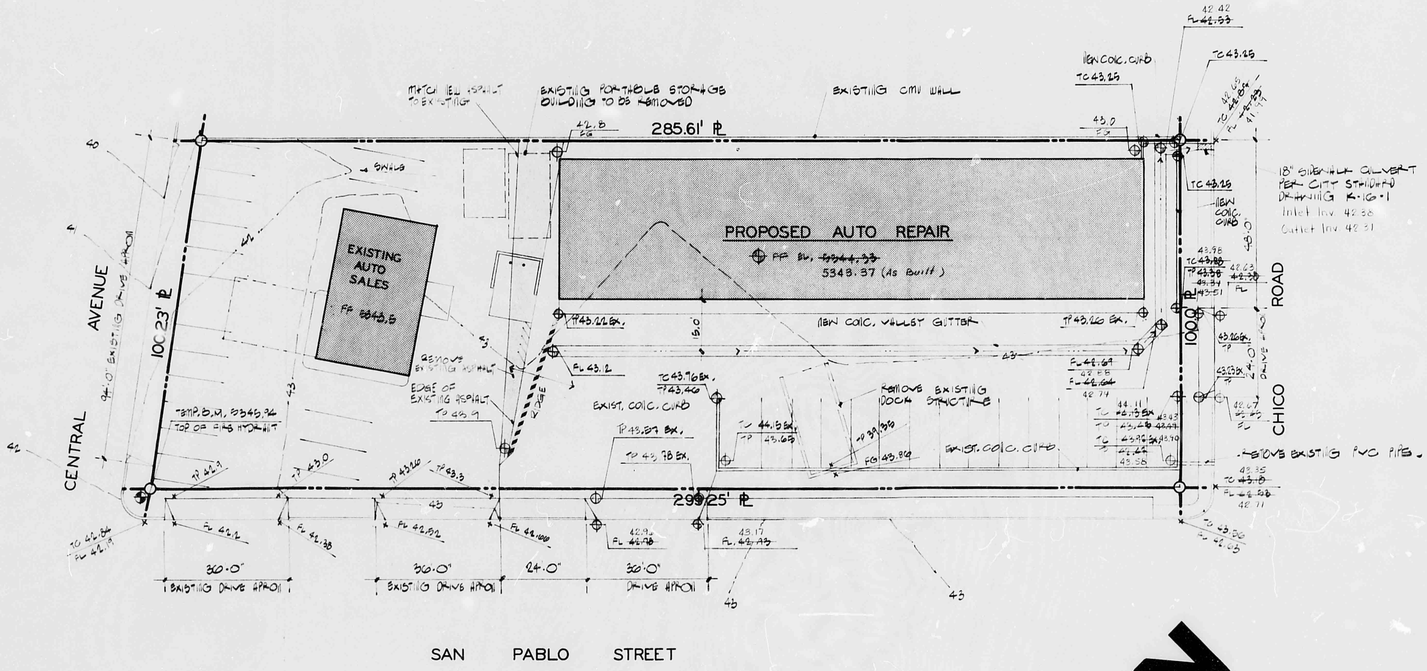
NAMBE
AVE.
RD.
ZIA
DOMINGO
ALVARADO
RD.
AGUAYRA
GRUNTE
DR.
DR.
AVE.
COAL
AVE.

K19/D36
(1)

HYDROLOGY K19/D36 AUTO REPAIR FACILITY

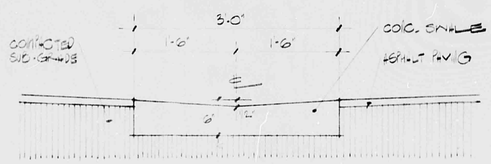
K19/D36

Auto Repair
Facility
Plan

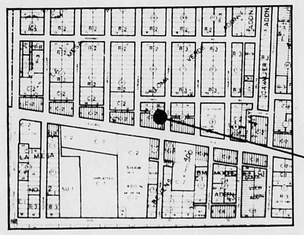


GRADING AND DRAINAGE PLAN

1" = 20.00'



CONCRETE VALLEY GUTTER



VICINITY MAP NTS

ZONE ATLAS MAP # K-19

LEGEND

TC	Top of curb
FL	Flow line
TP	Top of paving
FG	Finished grade
FF	Finished floor
BM	Benchmark
× 43.50 / × 42.50	Existing spot elevation
	Existing contour
42.66	Proposed spot elevation

DRAINAGE NOTES

1. ~~Max. volume in storage: 1131 ft³~~
   ~~volume provided: 1400 ft³ @ W.S. Elev. 47~~
2. Overflow through drive pad
   ~~Drivepad capacity = 2.6(36 + 24)(0.30)^3/2 = 25.62 cfs~~
3. ~~100 year peak flow after development~~
   ~~= 0.6(A_imp) [2g(0.76)]^1/2 = .95 (2.47)(182/43560) +~~
   ~~= 0.18 cfs @ time = 40 min.~~
4. 100 year peak flow before development
   = 0.40(5.10)(18770/43560)
   = 0.88 cfs @ time = 10 min.
5. No offsite flows.

PROFESSIONAL ENGINEER NO. 5110 JUAN J. BORDENAVE NEW MEXICO
Grading & Drainage Only

Record Drawing

I, Juan J. Bordenave, do hereby certify that these record drawings were compiled under my direction and that the drainage is in compliance with the approved revised drainage plan.

11/26/84 Juan J. Bordenave
PE & LS # 5110

RECEIVED NOV 27 1984 HYDROLOGY SECTION

STATE OF NEW MEXICO ken hovey no. 1055 REGISTERED ARCHITECT

THE KEN HOVEY DESIGN GROUP
1700 SIGNAL AVE. SE ALBUQUERQUE, NEW MEXICO 87108 • PHONE (505) 247-4748

AUTO REPAIR FACILITY
7519 CENTRAL AVENUE NE
ALBUQUERQUE, NEW MEXICO

PROJECT # 8319
DATE: 10 JUNE '83
DRAWN: HOVEY
CHECKED:
REVISIONS: JUNE 1, 1984

GRADING AND DRAINAGE PLAN

AUTO REPAIR FACILITY
7519 CENTRAL AVENUE NE
ALBUQUERQUE, NEW MEXICO

2

K19/D36